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ABSTRACT

The invention relates to a method for producing magnetically active shape memory metal alloy, said metal alloy containing nickel, manganese and gallium. In the method, the different components of the metal alloy are melted, and the melt is homogenized essentially at the melting temperature; the obtained metal alloy is cast, and the cast metal alloy is subjected to directional solidification at 10-100° C below the liquidus temperature of said metal alloy.